

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	16321	375,150,219,229,259,260,243,262,271,272,281,286,290,294,297-298,300,302,303,308,322,323.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2010/01/12 15:01
S1	136	masaru near taniguchi	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 11:23
S2	2	(masaru near taniguchi) and (multi-level or (multi level) or m-ary or n-ary or quaternary)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 11:24
S3	7	(masaru near taniguchi) and (multi-level or (multi level) or m-ary or n-ary or quaternary or four-level)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 11:24
S4	8	(encod\$3 with modul\$3) and (frequency near shift\$3) with (maximum value)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 11:28
S5	20	(channel near spacing near4 ("6.25" or "6250"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 11:34

S6	7966	375/133,135-136,219,271,281,295,302,316,322.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 12:02
S7	1	S6 and S6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 12:04
S8	7	375/133,135-136,219,271,281,295,302,316,322.ccls. and ((emission near spectrum) same (emission near mask))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 12:05
S9	1	(channel near spacing) and ((emission near spectrum) same (emission near mask))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 12:08
S10	5	(channel near spacing) and ((spectrum) same (emission near mask))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 12:08
S11	56	((emission near spectrum) same (emission near mask))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 12:12
S12	33	((emission near spectrum) same (emission near mask)) and (@pd<"20031106" or @ad<"20031106" or @prad<"20031106" or @rlad<"20031106")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 12:13

S13	35	{(enod\$3 with mapp\$3) and ((rrc or (root adj raised adj cos\$3) near filter\$3) and ((frequency modulat\$3) or fm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 12:52
S14	0	{symbol with (four-level or (four level) or multi-level or (multi level) or multi-value)) and ((frequency shift\$3) with (range ("822" or "822" or "952")))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 13:58
S15	0	{symbol with (four-level or (four level) or multi-level or (multi level) or multi-value)) and ((frequency shift\$3) with (range near4 ("822" or "822" or "952")))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 13:58
S16	0	{symbol with (four-level or (four level) or multi-level or (multi level) or multi-value)) and ((frequency shift\$3) with (range near4 khz))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 14:02
S17	0	{symbol with (quaternary or four-level or (four level) or multi-level or (multi level) or multi-value)) and ((frequency shift\$3) with (range near4 khz))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 14:03
S18	0	{symbol with (quaternary or four-level or (four level) or multi-level or (multi level) or multi-value)) and ((frequency shift\$3) with (range near4 khz))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 14:03
S19	0	{symbol with (nary or mary or n-ary or quaternary or four-level or (four level) or multi-level or (multi level) or multi-value)) and ((frequency shift\$3) with (range near4 khz))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 14:04

S20	226	((frequency shift\$3) and (symbol with (nary or mary or n-ary or quaternary or four-level or (four level) or multi-level or (multi level) or multi-value)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 14:05
S21	17	((frequency shift\$3) with (khz or range)) and (symbol with (nary or mary or n-ary or quaternary or four-level or (four level) or multi-level or (multi level) or multi-value)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 14:05
S22	1	10/578,228	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 14:21
S23	238	modulat\$3 and ((frequency near shift\$3 with (based or according or correspond\$3) with (magnitude or amplitude)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 14:36
S24	189	modulat\$3 and ((frequency near shift\$3 with (based or according or correspond\$3) with (magnitude or amplitude)) and (@pd<"20031106" or @ad<"20031106" or @prad<"20031106" or @riad<"20031106"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 14:37
S25	168	((transmission near rate) with ((frequency near shift\$3) or (channel near spacing)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 18:01
S26	0	((transmission near rate) with ((frequency near shift\$3) or (channel near spacing)) and (spectral near mask))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 18:02

S27	5	{(transmission near rate) with ((frequency near shift\$3) or (channel near spacing)) and (symbol near (level or value))}	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 18:03
S28	207	375/281.cds.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 18:08
S29	196	375/281.cds. and (@pd<"20031106" or @ad<"20031106" or @prad<"20031106" or @rlad<"20031106")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 18:08
S30	3465	375/271,272,279,281,297,298,300,302,303,308,322,323.cds. and (@pd<"20031106" or @ad<"20031106" or @prad<"20031106" or @rlad<"20031106")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 18:18
S31	469	{375/271,272,279,281,297,298,300,302,303,308,322,323.cds.) and (@pd<"20031106" or @ad<"20031106" or @prad<"20031106" or @rlad<"20031106") and ((symbol near (level or value)) or quaternary or four-level or (foru level) or multi-level or (multi level))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 18:21
S32	21	S31 and ((half\$3 or halv\$3) near4 ((transmission near rate) or spectrum or channel))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 18:24
S33	469	{375/271,272,279,281,297,298,300,302,303,308,322,323.cds.) and (@pd<"20031106" or @ad<"20031106" or @prad<"20031106" or @rlad<"20031106") and ((symbol near (level or value)) or quaternary or four-level or (foru level) or multi-level or (multi level))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 18:27

S34	23	S33 and ((half\$3 or halv\$3) near4 ((transmission near rate) or spectrum or (frequency near shift\$3) or channel or spacing))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 18:27
S35	66	((@pd<"20031106" or @ad<"20031106" or @prad<"20031106" or @rlad<"20031106") and (symbol near3 (nary or n-ary or quaternary or four-level or (four level) or multi-level or (multi level))) and ((half\$3 or halv\$3 or divid\$3) near4 ((transmission near rate) or spectrum or (frequency near shift\$3) or channel or spacing))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 18:36
S36	9830	((divid\$3 or half\$3 or halv\$4) near4 (channel spac\$3) or (spectrum) or (transmission rate)) and fcc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 18:52
S37	560	((divid\$3 or half\$3 or halv\$4) near4 ((channel spac\$3) or (spectrum) or (transmission rate))) and fcc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 18:53
S38	443	((divid\$3 or half\$3 or halv\$4) near4 ((channel spac\$3) or (spectrum) or (transmission rate))) and fcc and (@pd<"20031106" or @ad<"20031106" or @prad<"20031106" or @rlad<"20031106")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 18:54
S39	0	(channel near spac\$3) with ("6.25khz" or 6250hz)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 18:57
S40	27	(channel near spac\$3) with ("6.25" or "6250")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 18:57

S41	2	((base band filter\$3 or (base-band filter\$3)) and ((modulat\$3 near4 frequency near5 (amplitude or magnitude)) with range)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; BM_TDB	NEAR	ON	2009/06/21 19:05
S42	10	((((base band) or (base-band) or (root raised cosine) or nyquist) near filter\$3) and ((modulat\$3 near4 frequency near5 (amplitude or magnitude)) with range)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; BM_TDB	NEAR	ON	2009/06/21 19:08
S43	4	((((base band) or (base-band) or (root raised cosine) near filter\$3) same (sinc filter\$3)) and (modulat\$3 near4 frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; BM_TDB	NEAR	ON	2009/06/21 19:12
S44	11	((((root raised cosine) near filter\$3) same ((sinc or low-pass or (ideal low pass)) filter\$3)) and (modulat\$3 near4 frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; BM_TDB	NEAR	ON	2009/06/21 19:16
S45	11	((((root-raised-cosine or (root raised cosine)) near filter\$3) same ((sinc or low-pass or (ideal low pass)) filter\$3)) and (modulat\$3 near4 frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; BM_TDB	NEAR	ON	2009/06/21 19:17
S46	16	((((root-raised-cosine or rrc or (root raised cosine)) near filter\$3) same ((sinc or low-pass or (ideal low pass)) filter\$3)) and ((modulat\$3 near4 frequency) or fm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; BM_TDB	NEAR	ON	2009/06/21 19:22
S47	38	((((root-raised-cosine or rrc or (root raised cosine)) near filter\$3) same ((sinc or (low pass) or lpf or low-pass or (ideal low pass)) filter\$3)) and ((modulat\$3 near4 frequency) or fm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; BM_TDB	NEAR	ON	2009/06/21 19:26

S48	5	((base band) or (base-band) or (root raised cosine)) near filter\$3) and ((frequency modulation) with range)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 22:26
S49	6	(transmit\$4 with symbol with (nary or mary or n-ary or quaternary or four-level or (four (value or level)) or multi-level or (multi (value or level)) or multi-value)) and ((base band) or (base-band) or (root raised cosine)) near filter\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 22:53
S50	578	(transmit\$4 with symbol with (nary or mary or n-ary or quaternary or four-level or (four (value or level)) or multi-level or (multi (value or level)) or multi-value))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 22:56
S51	100	(transmit\$4 with symbol with (nary or mary or n-ary or quaternary or four-level or (four (value or level)) or multi-level or (multi (value or level)) or multi-value)) and ((frequency modulation) or fm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 22:57
S52	1	(transmit\$4 with symbol with (nary or mary or n-ary or quaternary or four-level or (four (value or level)) or multi-level or (multi (value or level)) or multi-value)) and ((frequency shift\$3) with range with khz)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 23:49
S53	1	(transmit\$4 with (nary or mary or n-ary or quaternary or four-level or (four (value or level)) or multi-level or (multi (value or level)) or multi-value)) and ((frequency shift\$3) with range with khz)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 23:50
S54	198	((frequency near3 shift\$3) with range with (khz or ".822" or ".952" or "822" or "952")) and (transmit\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/21 23:52



S55	163	((frequency near3 shift\$3) with range with (khz or ".822" or ".952" or ".822" or ".952") and (transmit\$4) and (@pd<"20031106" or @ad<"20031106" or @prad<"20031106" or @rlad<"20031106"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/06/22 00:02
S56	4	(encod\$4 same mapp\$4) and (((root rais\$3 cosin\$3) or rrc) same (sinc filter)) and (modulat\$4 near3 (fm or frequency))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2010/01/04 23:02
S57	4	(encod\$4 and mapp\$4) and (((root rais\$3 cosin\$3) or rrc) same (sinc filter)) and (modulat\$4 near3 (fm or frequency))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2010/01/04 23:04
S58	4	(allocat\$3 or mapp\$4) and (((root rais\$3 cosin\$3) or rrc) same (sinc filter)) and (modulat\$4 near3 (fm or frequency))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2010/01/04 23:04
S59	6	(allocat\$3 or mapp\$4) and ((root rais\$3 cosin\$3 or (root rais\$3 cosin\$3) or rrc) and (sinc filter)) and (modulat\$4 near3 (fm or frequency))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2010/01/04 23:05
S60	10	("4646173"   "4896287"   "4910698"   "4945505"   "5230011"   "5317753"   "5737253"   "5889822"   "5937011"   "6463081"),PN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2010/01/04 23:24
S61	0	("0.822" near3 "0.952") near4 khz	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2010/01/07 09:31
S62	3	"0.822" near4 khz	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2010/01/07 09:32

S69	13	(range with (frequency shift\$3)) and (symbol with (nary or mary or n-ary or quaternary or four-level or (four level) or multi-level or (multi level) or multi-value))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2010/01/12 14:41
S70	18	"20040101046"   "4535352"   "5541955"   "5581575"   "5602595"   "5841806"   "5903775"   "6002722"   "6026097"   "6055268"   "6163681"   "6377314"   "6404776"   "6421336"   "6496504"   "6661975"   "6724441"   "6738102").PN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2010/01/12 14:45

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S63	343	transmitt\$4 and ((n-ary or (n ary) or quaternary or (four level)) near2 modulation)	USPAT; UPAD	NEAR	ON	2010/01/07 09:28
S64	0	((frequency near2 range) with ("0.822" or "822")) and transmitt\$4 and ((n-ary or (n ary) or quaternary or (four level)) near2 modulation)	USPAT; UPAD	NEAR	ON	2010/01/07 09:30
S65	0	(frequency with range with ("0.822" or "822")) and transmitt\$4 and ((n-ary or (n ary) or quaternary or (four level)) near2 modulation)	USPAT; UPAD	NEAR	ON	2010/01/07 09:30
S66	0	"0.822" near4 khz with frequency	USPAT; UPAD	NEAR	ON	2010/01/07 09:32
S67	5	transmitt\$4 and ((n-ary or (n ary) or quaternary or (four level)) near2 modulation) and (frequency near3 shift\$4) and (alternat\$4 near3 symbol)	USPAT; UPAD	NEAR	ON	2010/01/07 09:40
S68	6	"5852638").UPPN.	USPAT	NEAR	ON	2010/01/07 09:45

11/12/2010 3:18:21 PM

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